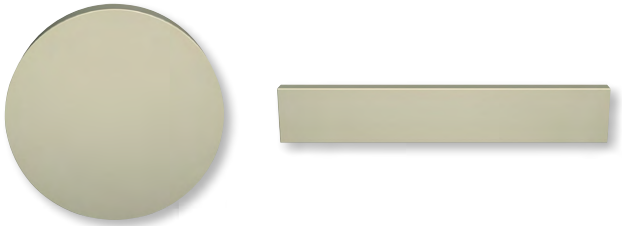
Sample Kit

PTC Thermistors

Heating elements
for low voltage applications



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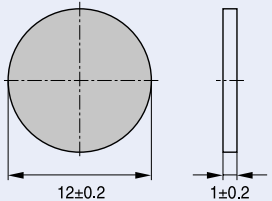
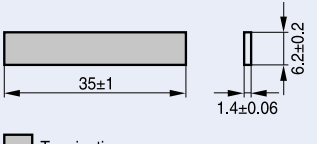
PTC Thermistors – Heating elements for low voltage applications

Type	T_{ref} (typ.) °C	R_{min} ($V = V_R$) Ω	T_{surf} [1] ($V = V_R$) Ω	R_R ($V_{meas} \leq 1.5$ V) Ω	V_{BD} V	Curvature mm	Ordering code	
V_{max} = 30 V DC, V_R = 12 V DC								
A60	40	4[2]	70	9 ±30%	> 36	< 0.2	B59060A0040A010	1
A60	60	5	80	9 ±30%	> 36	< 0.2	B59060A0060A010	2
A60	80	4	95	9 ±30%	> 36	< 0.2	B59060A0080A010	3
A60	120	4	140	9 ±30%	> 36	< 0.2	B59060A0120A010	4
A60	160	3	165	9 ±30%	> 36	< 0.2	B59060A0160A010	5
A60	180	3	185	9 ±30%	> 36	< 0.2	B59060A0180A010	6
V_{max} = 24 V DC, V_R = 12 V DC								
R41	80	1.00	110	3.2 ±50%	> 40	< 0.05	B59041R0080A010	7
R41	120	1.00	145	3.2 ±50%	> 40	< 0.05	B59041R0120A010	8
R41	160	0.75	180	3.2 ±50%	> 40	< 0.05	B59041R0160A010	9
R41	180	0.75	200	3.2 ±50%	> 40	< 0.05	B59041R0180A010	10
R41	220	1.00	230	6.4 ±50%	> 40	< 0.05	B59041R0220A010	11
V_{max} = 60 V DC, V_R = 48 V DC								
R210	150	18.00	175	30 typical	> 120	< 0.05	B59210R0150A010	12

Dimensional drawing





1) Measured between points

2) T ($R_{PTC} = R_{min}$) < 25 °C

Data sheets are available at: www.tdk-electronics.tdk.com/ptc_heating

Content: 3 pcs per ordering code

Important information: It is incumbent on the customer to check and decide whether a product is suitable for use in a particular application. Our products are described in detail in our data sheets. Our *Important notes* and the product-specific *Cautions and warnings* must be observed. All relevant information is available through our sales offices.